

ABSTRACT OF THE DISCLOSURE

The present invention provides an electric vacuum cleaner equipped with a step-up converter circuit with a DC power supply as a drive source, which drives and controls the step-up converter circuit so as to refer to such a relationship as to decrease a variation in dust suction capability, determine an output voltage to be boosted according to the state of a load on a motor-driven blower, boost the output voltage, based on the result of determination and supply power to the motor-driven blower, thereby activating the step-up converter circuit with satisfactory efficiency. Thus, the dust suction performance of the electric vacuum cleaner is enhanced and the usage time of a battery per charge is lengthened.